Ref #	Hits	Search Query	DBs	Default Operator	Plura ls	Time Stamp
L1	21	(US-5952673-$ or US-5753933-$ or US-5448585-$ or US-6638773-$ or US-6608855-$ or US-5305343-$).did. or (US-20030042479-$ or US-20020131466-$ or US-20020105992-$).did. or (JP-2002158398-$).did. or (EP-1202410-$).did.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2005/06/01 12:53
L2	21	(US-5952673-$ or US-5753933-$ or US-5448585-$ or US-6638773-$ or US-6608855-$ or US-5305343-$).did. or (US-20030042479-$ or US-20020131466-$ or US-20020105992-$).did. or (JP-2002158398-$).did. or (EP-1202410-$).did.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2005/06/01 12:53

| L3 | 82 | (US-4782035-$ or US-5539766-$ or US-5617436-$ or US-6608855-$ or US-6638773-$ or US-5347533-$ or US-4873691-$ or US-5654583-$ or US-6411642-$ or US-5952673-$ or US-5274660-$ or US-4977569-$ or US-5448585-$ or US-6516017-$ or US-4746192-$ or US-5214662-$ or US-4599728-$ or US-5077752-$ or US-4803690-$ or US-4178604-$ or US-5305343-$ or US-4665528-$ or US-4775980-$ or US-5753933-$ or US-4752933-$).did. or (US-20030042479-$ or US-20020105992-$ or US-20020131466-$ or US-20030132431-$ or US-20020037024-$ or US-20030132451-$ or US-20030170924-$ or US-20020071462-$ or US-20040042516-$ or US-20030152126-$ or US-20030185256-$).did. or (JP-62098788-$ or JP-02280394-$ or JP-2002158398-$ or JP-61179525-$).did. or (JP-11054837-$ or EP-1202410-$).did. | US-PGPUB; USPAT; JPO; DERWENT | OR | OFF | 2005/06/01 12:53 |

| L4 | 84 | (US-4782035-$ or US-4811353-$ or US-4599728-$ or US-5347533-$ or US-5539766-$ or US-5617436-$ or US-6608855-$ or US-5274660-$ or US-4665528-$ or US-4775980-$ or US-4746192-$ or US-4752933-$ or US-4873691-$ or US-4977569-$ or US-5077752-$ or US-5214662-$ or US-5448585-$ or US-5753933-$ or US-6411642-$ or US-6516017-$ or US-5952673-$ or US-6638773-$ or US-4178604-$ or US-4803690-$ or US-5305343-$ or US-5654583-$).did. or (US-20030132431-$ or US-20020037024-$ or US-20030042479-$ or US-20040042516-$ or US-20030185256-$ or US-20020071462-$ or US-20030152126-$ or US-20030132451-$ or US-20030170924-$ or US-20020105992-$ or US-20020131466-$).did. or (JP-2002158398-$ or JP-61179525-$ or JP-62098788-$ or JP-02280394-$).did. or (JP-11054837-$ or EP-1202410-$).did. | US-PGPUB; USPAT; JPO; DERWENT | OR | OFF | 2005/06/01 12:54 |

L5	14	(("20040028100") or ("20030165169") or ("6639241") or ("20020071462") or ("20010024462") or ("6396044") or ("6563608") or ("4178604") or ("4728168") or ("4803690") or ("4942366") or ("4977569") or ("5050949") or ("5077752")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/01 12:54
L6	10293	((257/14,79,98,102,103) or (372/20,45,50,96,103)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/01 12:56
L7	15	(InGaAsP GaInAsP) near3 grating near6 (indium adj phosphide InP) and @pd>"20041001"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/01 12:57
L8	13	InGaAsP near4 grating near4 (concave concavity depth thickness)	US-PGPUB; USPAT	OR	OFF	2005/06/01 12:57
L9	14	"341668"	DERWENT	OR	OFF	2005/06/01 12:57
L10	12	Itaya with Distributed adj Feedback adj Laser	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/01 12:57
L11	109	(HITACHI and grating near4 (concave concavity depth thickness)) not (InGaAsP near4 grating near4 (concave concavity depth thickness))	US-PGPUB; USPAT	OR	OFF	2005/06/01 12:57

L12	23	((InGaAlAs or AlInGaAs or GaAlInAs or GaInAlAs or AlGaInAs or InAlGaAs) with quantum and grating near4 (concave concavity depth thickness)) not (InGaAsP near4 grating near4 (concave concavity depth thickness))	US-PGP UB; USPAT	OR	OFF	2005/06/01 12:57
L13	83	((InGaAlAs or AlInGaAs or GaAlInAs or GaInAlAs or AlGaInAs or InAlGaAs) with quantum with active) and (dfb grating distributed adj feedback)	US-PGP UB; USPAT; EPO; JPO; DERWEN T; IBM_TDB	OR	OFF	2005/06/01 12:57
L14	118	(InGaAlAs or AlInGaAs or GaAlInAs or GaInAlAs or AlGaInAs or InAlGaAs) near4 quantum with active	US-PGP UB; USPAT; EPO; JPO; DERWEN T; IBM_TDB	OR	OFF	2005/06/01 12:57
L15	62	((InGaAlAs or AlInGaAs or GaAlInAs or GaInAlAs or AlGaInAs or InAlGaAs) near4 quantum with active) and (dfb grating distributed adj feedback)	US-PGP UB; USPAT; EPO; JPO; DERWEN T; IBM_TDB	OR	OFF	2005/06/01 12:57
L16	82	((InGaAlAs or AlInGaAs or GaAlInAs or GaInAlAs or AlGaInAs or InAlGaAs) near4 quantum with active) and InP near substrate	US-PGP UB; USPAT; EPO; JPO; DERWEN T; IBM_TDB	OR	OFF	2005/06/01 12:57

L17	55	(((InGaAlAs or AlInGaAs or GaAlInAs or GaInAlAs or AlGaInAs or InAlGaAs) near4 quantum with active) and InP near substrate) and (dfb grating distributed adj feedback)	US-PGP UB; USPAT; EPO; JPO; DERWEN T; IBM_TDB	OR	OFF	2005/06/01 12:57
L18	181	(InGaAsP GaInAsP) near3 grating near6 (indium adj phosphide InP)	US-PGP UB; USPAT; EPO; JPO; DERWEN T; IBM_TDB	OR	OFF	2005/06/01 12:57
L19	24	"5020072"	US-PGP UB; USPAT; EPO; JPO; DERWEN T; IBM_TDB	OR	OFF	2005/06/01 12:57
L20	22	"5020072" and grating	US-PGP UB; USPAT; EPO; JPO; DERWEN T; IBM_TDB	OR	OFF	2005/06/01 12:57
L21	9	(Itaya with Distributed adj Feedback adj Laser) and InGaAsP	US-PGP UB; USPAT; EPO; JPO; DERWEN T; IBM_TDB	OR	OFF	2005/06/01 12:57
L22	35	InGaAsP near4 (grating undulation optical adj waveguide) SAME InP and InAlAs	US-PGP UB; USPAT	OR	OFF	2005/06/01 12:57
L23	42	p-InAlAs	US-PGP UB; USPAT	OR	OFF	2005/06/01 12:57

L24	13	electron adj (stop stopping) adj layer	US-PGPUB; USPAT	OR	OFF	2005/06/01 12:57
L25	20	p-AlInAs not p-InAlAs	US-PGPUB; USPAT	OR	OFF	2005/06/01 12:57
L26	864	laser and electro-absorption	US-PGPUB; USPAT	OR	OFF	2005/06/01 12:57
L27	15	(InGaAsP GaInAsP) near3 grating near6 (indium adj phosphide InP) and @pd>"20041001"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/01 12:57
L28	1	((("20040028100") or ("20030165169") or ("6639241") or ("20020071462") or ("20010024462") or ("6396044") or ("6563608")).PN.) and InP adj substrate and (active near4 InGaAlAs) and InAlAs and InGaAsP near5 grating and InP near3 cladding	US-PGPUB; USPAT	OR	OFF	2005/06/01 12:58
L29	4	HITACHI and grating near4 (concave concavity depth thickness) and @pd>"20041001"	US-PGPUB; USPAT	OR	OFF	2005/06/01 12:58
L30	8	((InGaAlAs or AlInGaAs or GaAllnAs or GaInAlAs or AlGaInAs or InAlGaAs) with quantum and grating near4 (concave concavity depth thickness)) not (InGaAsP near4 grating near4 (concave concavity depth thickness)) and @pd>"20041001"	US-PGPUB; USPAT	OR	OFF	2005/06/01 12:58

L31	261	(distributed adj feedback DFB) adj laser and grating and @pd>"20041001"	US-PGP UB; USPAT; EPO; JPO; DERWEN T; IBM_TDB	OR	OFF	2005/06/01 12:59
L32	15	((InGaAlAs or AllnGaAs or GaAllnAs or GalnAlAs or AlGalnAs or InAlGaAs) with quantum with active) and (dfb grating distributed adj feedback) and @pd>"20041001"	US-PGP UB; USPAT; EPO; JPO; DERWEN T; IBM_TDB	OR	OFF	2005/06/01 12:59
L33	586	(((257/14,79,98,102,103) or (372/20,45,50,96,103)). CCLS. and @pd>"20041001") and (grating or stopping or stop or block or blocking)	US-PGP UB; USPAT	OR	OFF	2005/06/01 12:59